

WHAT IS CLAIMED, IS:

1. Method for recording on a storage medium, or replaying
from a storage medium, data packets of a transport stream
5 which data packets belong to at least one specific pro-
gram, wherein said transport stream originally includes
data packets for a set of programs and wherein timestamps
are assigned to the data packets of said transport
stream, the method including the steps:
 - 10 - using for some of said recorded or replayed data packets
of said specific program original timestamps of corre-
sponding data packets of said transport stream;
 - using for the remaining recorded or replayed specific
program data packets timestamps that are calculated using
15 said original timestamps of said some data packets of the
specific program.
2. Method according to claim 1, wherein the replayed spe-
cific program data packets are real-time output corre-
20 sponding to their original temporal position in the
original transport stream.
3. Method according to claim 1, wherein said timestamp cal-
culation is performed for recording or is performed when
25 replaying.
4. Method according to claim 2, wherein said timestamp cal-
culation is performed for recording or is performed when
30 replaying.
5. Method according to claim 1, wherein the original ones of
said timestamps of the recorded or replayed specific pro-
gram data packets do have a fixed temporal distance of a
predetermined number of original packets in said trans-
35 port stream.

6. Method according to claim 1, wherein the original ones of said timestamps of the recorded or replayed specific program data packets are selected from said transport stream using start_of_packet pulses which are set as 'valid' or 'invalid'.
7. Method according to claim 1, wherein said transport stream is an MPEG2 transport stream.
8. Method according to claim 1, wherein said specific program data packets are recorded or replayed using a DVD Streamer device.
9. Method according to claim 1, wherein said storage medium is an optical or opto-magnetic disc or a hard disc.
10. Apparatus for recording or replaying data packets of a transport stream which data packets belong to at least one specific program, wherein said transport stream originally includes data packets for a set of programs and wherein timestamps are assigned to the data packets of said transport stream, the apparatus including:
- means for selecting from said transport stream timestamps and data packets belonging to said specific program, wherein timestamps for some of these data packets to be recorded are original timestamps of corresponding data packets of said transport stream;
 - means for calculating the timestamps for the remaining specific program data packets to be recorded, using said original timestamps of said some data packets of the specific program;
 - means for assembling and recording said specific program data packets together with said original and calculated timestamps on a storage medium;
 - means for replaying the recorded specific program data packets together with said original timestamps and said

calculated timestamps;

- means for evaluating said original timestamps and said calculated timestamps;
- means for assembling - under control of said means for evaluating said original and calculated timestamps - the
5 replayed specific program data packets together with said original and calculated timestamps, corresponding to their original temporal position in the original transport stream.

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11. Apparatus according to claim 10, wherein said means for assembling output a real-time transport stream.

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12. Apparatus according to claim 10, wherein the original ones of said timestamps of the recorded or replayed specific program data packets do have a fixed temporal distance of a predetermined number of original packets in said transport stream.

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13. Apparatus according to claim 10, wherein the original ones of said timestamps of the recorded or replayed specific program data packets are selected from said transport stream using start_of_packet pulses which are set as 'valid' or 'invalid'.

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14. Apparatus according to claim 10, wherein said transport stream is an MPEG2 transport stream.

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15. Apparatus according to claim 10, wherein said specific program data packets are recorded or replayed using a DVD Streamer device.

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16. Apparatus according to claim 10, wherein said storage medium is an optical or opto-magnetic disc or a hard disc.